

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

CLIMBING ROSE PLANT NAMED

'POULyc007'

# SUMMARY OF THE INVENTION

## BOTANICAL CLASSIFICATION

*Rosa hybrida*

## VARIETY DENOMINATION

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'POULyc007'

The present invention constitutes a new and distinct variety of garden rose plant which originated from a controlled crossing between a female parent 'POULsint', an  
10 unpatented variety, and the male parent, an unnamed plant. The two parents were crossed during the summer of 1994, and the resulting seeds were planted in a controlled environment in Fredensborg, Denmark. The new variety is named 'POULyc007'.

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The new variety may be distinguished from its seed parent, 'POULsint', by the following combination of characteristics:

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1. The female parent has a flower diameter when open of less than 5 cm. 'POULcy007' has flowers which are 75 mm in diameter when open.
2. While the pollen parent has a narrow and bushy growth habit, 'POULcy007' has a climbing habit.

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The new variety may be distinguished from its pollen or male parent, an unnamed plant, by the following

combination of characteristics:

1. The male parent has a flower petal color, on open flowers, upper surface of White Group 155D. 'POULyc007' has a flower petal color on open flowers, upper surface of Red Group 55C.
2. General tonality of the pollen parent is opening are White Group 155B, while 'POULyc007' has a general tonality of Red Group 55D.

The objective of the hybridization of this rose variety was to create a new and distinct variety for garden use with unique qualities, such as:

1. Uniform and abundant light pink flowers;
2. Vigorous, but compact growth when propagated both as a budded rose and on its own roots;
3. Disease resistance.
4. Improved flowering habit. Since the variety is less apically dominant, flowers are produced evenly from the lower branches to the top.

This combination of qualities is not present in previously available commercial cultivars of this type, known to the inventor, and distinguish 'POULyc007' from

all other varieties of which we are aware.

As part of their rose development program, L. Pernille Olesen and Mogens N. Olesen germinated the seeds from the aforementioned hybridization during winter 1994 and conducted evaluations on the resulting seedlings in a controlled environment in Fredensborg, Denmark.

'POULyc007' was selected in the spring 1995 by the inventors as a single plant from the progeny of the aforementioned hybridization.

Asexual reproduction of 'POULyc007' by traditional budding and rooted cuttings was first done by L. Pernille and Mogens N. Olesen in their nursery in Fredensborg, Denmark in July, 1995. This initial and other subsequent asexual propagations conducted in controlled environments have demonstrated that the characteristics of 'POULyc007' are true to type and are transmitted from one generation to the next.

#### **BRIEF DESCRIPTION OF THE DRAWING**

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The accompanying color illustration shows as true as is reasonably possible to obtain in color photographs of this type, the typical characteristics of the buds, flowers, leaves, and stems, of 'POULyc007'. Specifically illustrated in SHEET 1 are:

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Fig 1.1; Open flower, stem showing branching,  
open flower, the attachment of buds,  
and peduncles;

Fig 1.2; Flower petals, detached;

5 Fig 1.3; Sepals, receptacle, and pedicel;

And specifically illustrated in SHEET 2 are:

Fig 2.1; Flower buds closed, flower bud as  
sepals unfold and partially open  
flower.

10 Fig 2.2; Juvenile Flower buds and growth  
showing anthocyanin.

Fig 2.3: Juvenile leaves with anthocyanin;

Fig 2.4: Mature leaves;

Fig 2.5; Bare stems with thorns.

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#### **DETAILED DESCRIPTION OF THE VARIETY**

The following is a description of 'POULyc007', as  
observed in its growth in a field nursery in Jackson  
County, Oregon. Observed plants are 3 years of age.

20 Color references are made using the Royal Horticultural  
Society (London, England) Colour Chart, 1995, except where  
common terms of color are used.

For a comparison, several physical characteristics  
of the rose variety 'POULover', a rose variety from the  
25 same inventors described and illustrated in U.S. Plant  
Patent Application No. 10/341,890 and dated 13 January

2003, are compared to 'POULyc007' in Chart 1.

CHART 1

	'POULyc007'	'POULover'
5 Bud color as sepals unfold	Petals are Red Group 46C with intonations of Red Group 46C; at ¼ opening, petals are Red Group 48A.	Petals are Red Group 55C; at ¼ opening, petals are Red Group 55C.
Receptacle Color	Yellow-Green Group 144B.	Yellow-Green Group 144A.
10 Outermost Petals upon opening, outer side	Red Group 52B.	Red-Purple Group 65A at petal margins. Red-Purple 65D at mid petal.

**Parents:**

15 Seed Parent: POULsint.

Pollen Parent: Unnamed Plant.

**FLOWER AND FLOWER BUD**

**Blooming habit:** Continuous.

**Flower bud:**

20 Size: Upon opening, 22 mm in length from base of receptacle to end of bud.

Bud form: Broad based.

Bud color: As sepals unfold, petals are  
25 Red Group 46C with intonations

of Red Group 46A. Red Group 48A  
at ¼ opening.

Sepals:

Upper Surface:

5                      Color:      Yellow-Green Group 145B.

Observations:

10                      Surfaces of sepals  
                         moderately pubescent.  
                         Stipitate glands are very  
                         abundant in quantity and  
                         characterized by a  
                         distinctive spicy  
                         fragrance.

Lower Surface:

15                      Color:      Yellow-Green Group 144A.  
                         Anthocyanin:    Very strong, Greyed-  
                                              Purple Group 187A.  
                         Shape:        Margins have strong  
                                              foliaceous appendages on  
20                      three of the five sepals.  
                         Size:         22 mm long by 8 mm wide.

Receptacle:

                         Surface Texture:    Smooth and glabrous.  
                         Shape:              Urn-shaped.  
25                      Size:                7 mm (h) x 7 mm (w).

Color: Yellow-Green Group  
144B.

Anthocyanin: Greyed-Red Group  
181A.

5            Peduncle:

Surface: Many stipitate glands,  
characterized by a  
distinct spicy fragrance  
observed.

10           Length: 30 to 35 mm average  
length.

Color: Greyed-Red Group 183A.

Strength: Strong.

15           Borne: Multiples of 9 buds per flowering  
stem.

Anthocyanin: None observed.

**Flower bloom:**

Fragrance: Moderate rose.

20           Duration: The blooms have a duration on  
the plant of approximately 10  
to 14 days.

Size: Average flower diameter is 75  
mm when open.

25           Form: Rosette with overlapping  
petals.



Shape of flower when viewed from the side:

Upon opening, upper part: Flat.

Upon opening, lower part: Flattened

convex.

5 Open flower, upper part: Convex.

Open flower, lower part: Concave.

Petalage: Very double. Average range: 50-55  
petals under normal conditions with  
10 petaloids.

10 **Color:**

Upon opening, petals:

Outermost petals:

Outer side: Red Group 52B with  
vertical intonations of  
Red Group 46A.

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Inner Side: Red Group 52C.

Innermost petals:

Outer side: Red Group 52B.

Inner Side: Red Group 52C.

20 Upon opening, basal petal spots:

Outermost petals:

Outer side: Yellow Group 1C to 1B.

Inner side: Yellow Group 1C to 1B.

Innermost petals:

25 Outer side: Yellow Group 1C to 1B.

Inner Side: Yellow Group 1C to 1B.

After opening, petals:

Outermost petals:

Outer side: Red Group 55C.

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Inner Side: Red Group 56A.

Innermost petals:

Outer side: Red Group 55C.

Inner Side: Red Group 56A.

After opening, basal petal spots:

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Outermost petals:

Outer side: Yellow Group 1C to 1B.

Inner side: Yellow Group 1C to 1B.

Innermost petals:

Outer side: Yellow Group 1C to 1B.

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Inner Side: Yellow Group 1C to 1B.

**General Tonality:** On open flower Red Group 55D.

No change in the general  
tonality at the end of the 10<sup>th</sup>  
day. Afterwards, general  
tonality is Red Group 55D.

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**Petals:**

Petal Reflex: Petals reflex somewhat  
strongly.

Margin: Entire with medium undulations  
of margin.

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Shape: Apex: Round.  
 Base: Acute.  
Size: 37 mm (l) x 35 mm (w).  
Texture: Smooth.  
 5 Thickness: Average.  
Arrangement: Not Formal.  
 Petaloids:  
Quantity: 10-15.  
Size: 33 mm (l) x 25 mm (w).  
 10 Color:  
 Upper Surface:  
 Red Group 56A.  
 Lower surface:  
 Red Group 55C.  
 15 **Reproductive Organs:**  
Pistils:  
 Length: 9 mm long.  
 Quantity: 64 (actual count).  
Pollen: None observed.  
 20 Anthers:  
 Size: 2 mm long.  
 Color: Yellow-Orange Group 17A.  
 Quantity: 56 (actual count).  
Filaments:  
 25 Color: Yellow Group 6A.

Length: 3 mm.

Stigmas: Superior in relation to the  
height of the anthers.

Color: Yellow-Green Group 154D.

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Styles:

Color: Yellow-Green Group 154D.

Other intonations: None.

Hips: None Observed in the field nursery in  
Jackson County Oregon.

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#### PLANT

**Plant growth:** Vigorous. Very, very tall climbing  
habit of 200-300 cm in height. Weak  
apical dominance allows flowers to  
develop evenly from lower branches to  
the top.

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**Stems:**

Color:

Young wood: Yellow-Green Group 144B  
with intonations of  
Greyed-Purple 185A.

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Older wood: Yellow-Green Group 144B.

Thorns:

Incidence: 12 thorns per 10 cm of  
stem.

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Size: Average length: 5 mm.  
Color: Greyed-Yellow Group 160A.  
Shape: Deeply concave.

Surface Texture:

5 Young wood: Smooth.  
Older wood: Smooth.

Anthocyanin: None observed.

10 **Plant foliage:** Normal number of leaflets in  
middle of the stem: 7.

Compound Leaf size: 38 mm (l) x 30 mm (w).

Color:

Mature Foliage:

15 Upper Leaf Surface: Yellow-Green  
Group 147A.

Lower Leaf Surface: Yellow-Green  
Group 147C.

Juvenile foliage:

20 Upper Leaf Surface: Yellow-Green  
Group 146B to  
146C.

Lower Leaf Surface: Yellow-Green  
Group 146C.

Anthocyanin: None observed.

25 **Plant leaves and leaflets**

Stipules:

Size: 26 mm.  
Color: Yellow-Green Group 144A.  
Stipitate Glands: Medium.

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Petiole:

Length: 35 mm.  
Color: Yellow-Green Group 144B.  
Anthocyanin: None Observed.  
Underneath: Thorns and stipitate  
glands observed.

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Rachis:

Length: 35 mm.  
Color: Yellow-Green Group 144B.  
Anthocyanin: None Observed.

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Leaflet:

Edge: Serrated.  
Shape: Generally ovate to round.  
Apex: Cuspidate.  
Base: Round.  
Texture: Smooth.  
Arrangement: Odd pinnate.  
Venation: Reticulate.  
Glossiness: Glossy.

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**Disease resistance:**

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Above average resistance to mildew, rust, black

spot, and Botrytis under normal growing conditions in Jackson County, Oregon.

**Cold Hardiness:**

5       The variety 'POULyc007' has been found to be cold tolerant to USDA Cold Hardiness Zone 6.